



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Wednesday, July 22, 2015

Issued: 0800 CT

**Day 1 Hazards: Heat index values of 102F+ degrees over much of LA and the east half of TX.**

**Day 1 Hazards: Slight risk of flash flooding over northern AR w/ a Marginal risk of severe tsrms over NE OK and into AR.**

National Weather Service

Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX



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# Key Points



## Wednesday

- Severe weather and flash flooding possible over NE OK and into much of AR
  - Flash Flood Watch over northern AR through Thursday morning
  - Isolated strong to severe thunderstorms with damaging winds and/or heavy rain/flash flooding possible over NE OK into much of AR
- Afternoon heat index values 102F+ degrees for most of LA and the east ½ of TX

## Thursday – Sunday

- No Significant Weather Impacts besides heat for eastern ½ of the Region






## Tropical Outlook

- Tropical formation is not expected in the next 5 days

# \*FEMA Region 6 Threat Matrix

Jul 22, 2015 - Jul 26, 2015

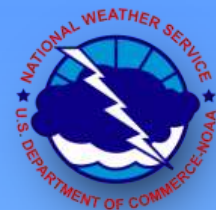
DAY/ THREAT	WED	THU	FRI	SAT	SUN
Severe Weather	NE OK into much of AR				
Heavy Rain /Flash Flooding	N AR				
Heat	LA, East half of TX	East half of TX & OK, Most of LA & AR			
Tropical					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*We are experimenting with a new color scale to the left as of April 13<sup>th</sup>. Please provide feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov). See next slide for more details.*



**We are experimenting with a new color scale in these briefings, starting on April 13<sup>th</sup>. The criteria is below, please provide your feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov) and we plan to re-evaluate in the coming months.**

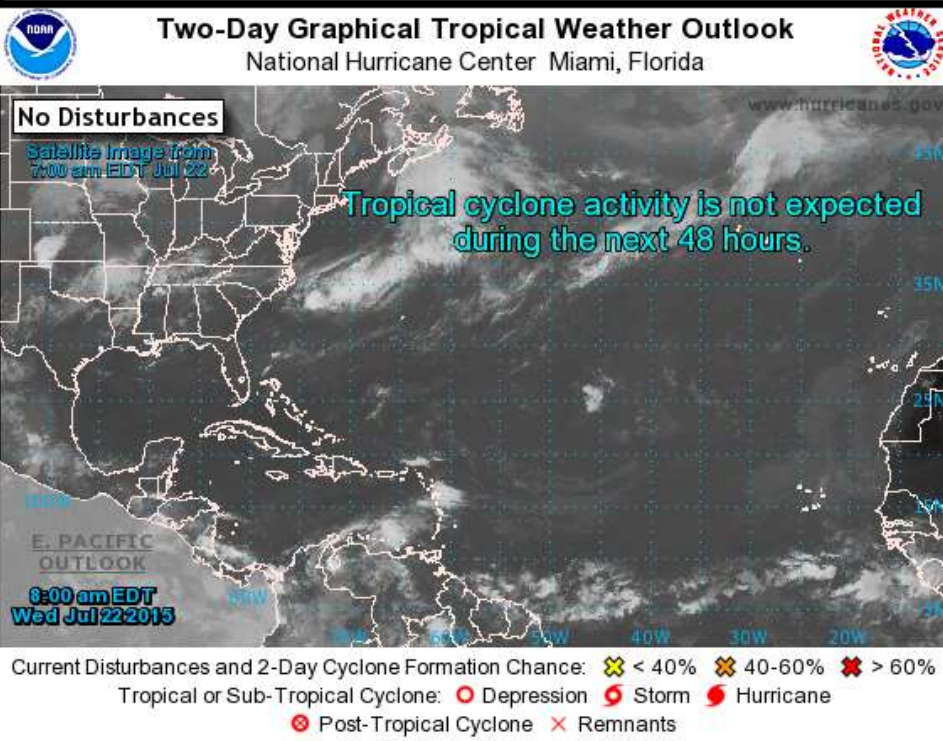


**Weather "Threat" Matrix**

Color	Definition	Criteria	Example(s)
<b>Green</b>	<b>Very Common – Happens Often</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
<b>Yellow</b>	<b>Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
<b>Orange</b>	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> </ul>
<b>Red</b>	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> </ul>
<b>Purple</b>	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>



# Atlantic/Gulf Tropical Weather Outlook

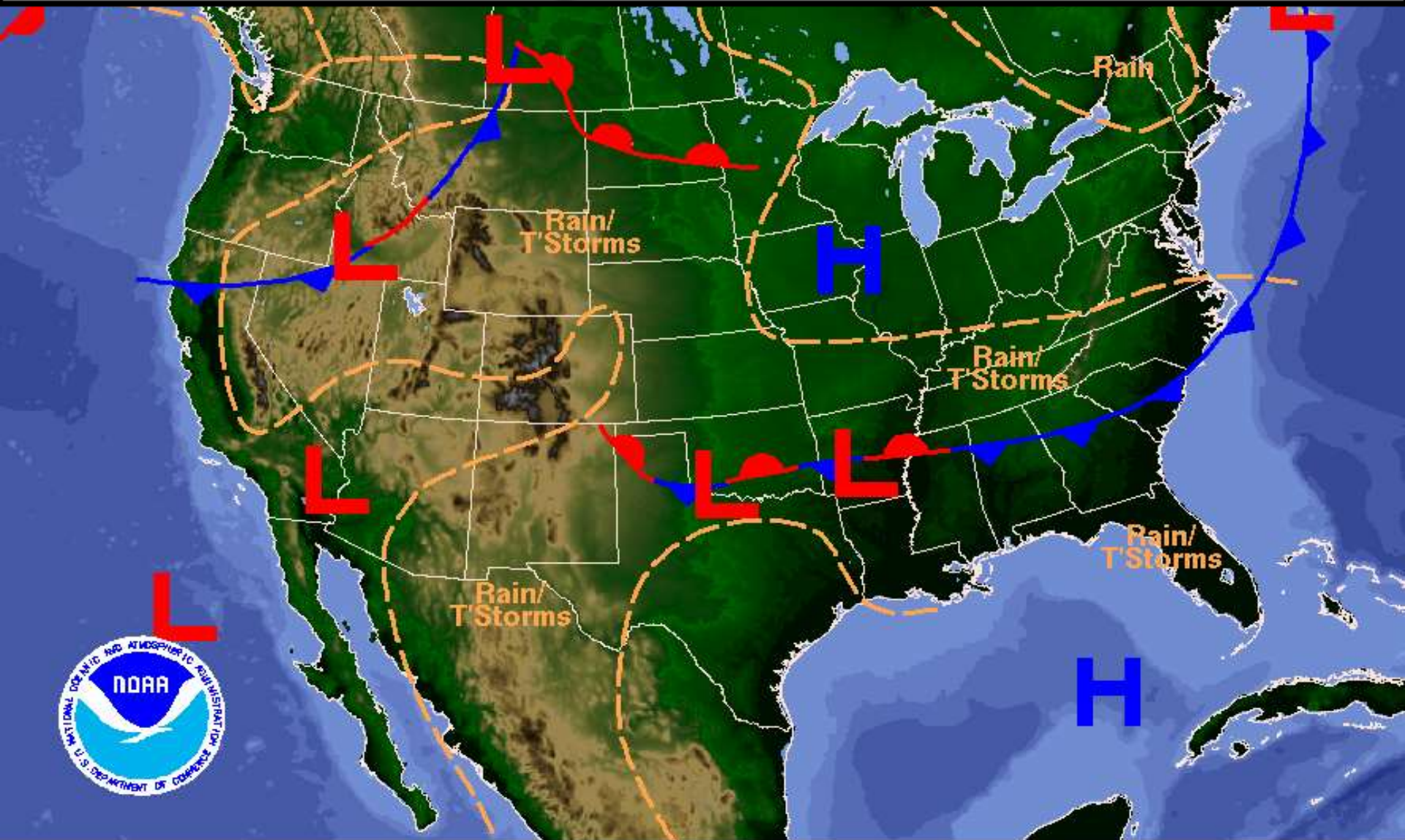


**Tropical cyclone formation is not expected the next 5 days**





# Today's Weather



Weather Forecast for Wed, Jul 22, 2015, issued 4:25 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Fanning based on WPC, SPC and NHC forecasts



# Day 1 Weather Hazards






**Valid: 0800 Wed - 0800 Thu**



**Isolated  
severe  
storms**

**Flash Flood Watch  
through Thu morning**

**Afternoon Heat Index  
values of  
102F+ degrees across  
much of LA and the  
east ½ of TX.**

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA  
Region 6 criteria. State or local  
threat level criteria may differ.**





# Wednesday, July 22, 2015

## Severe Thunderstorm Potential



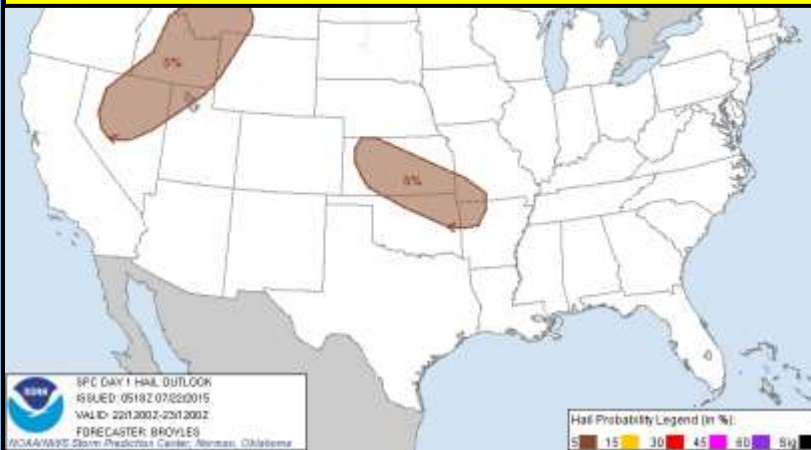
### Overall Threat Potential



### Probability of Tornado within 25 miles of a point



### Probability of Damaging Hail within 25 miles of a point



### Probability of Damaging Winds within 25 miles of a point

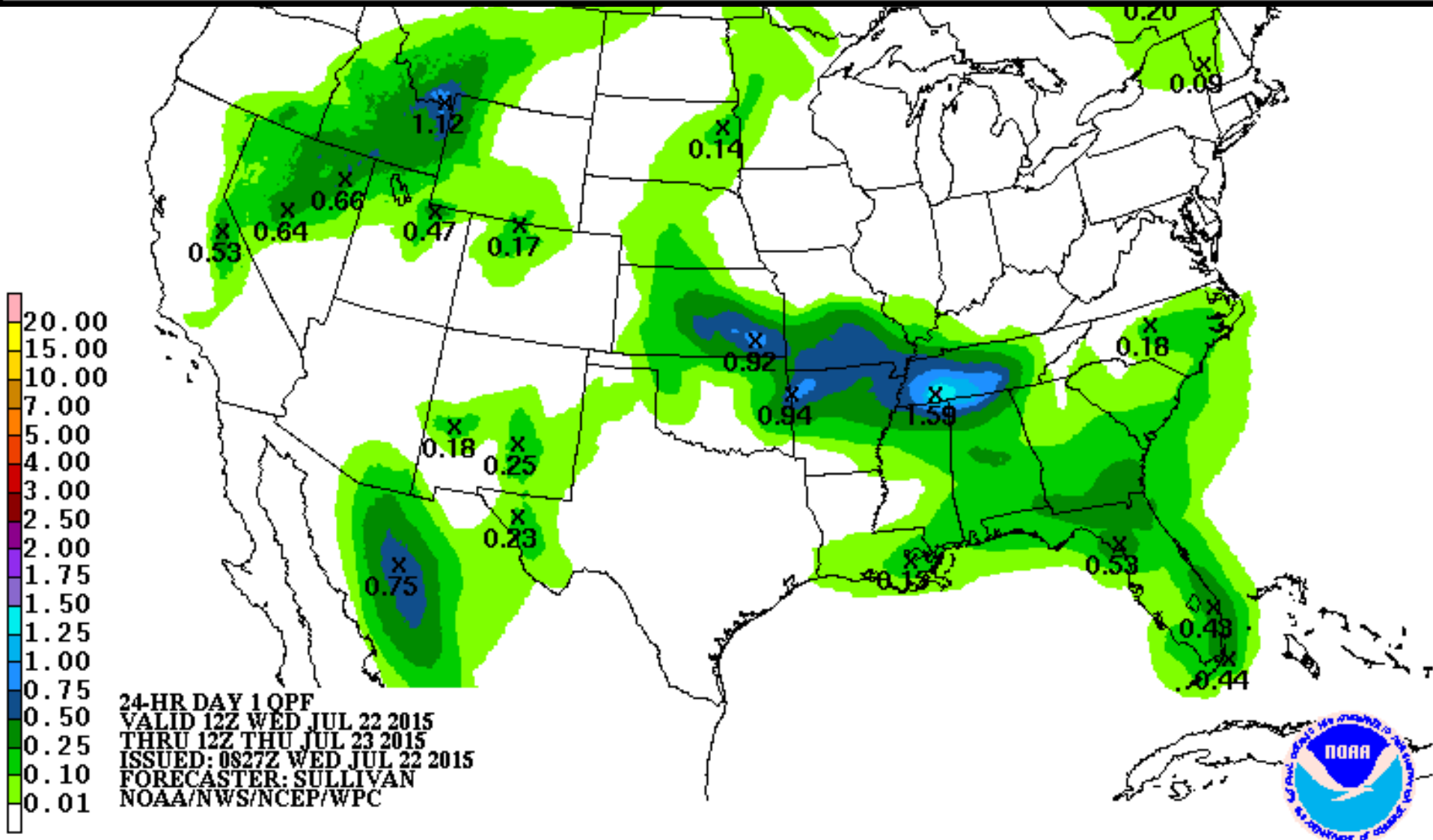


Building a Weather-Ready Nation

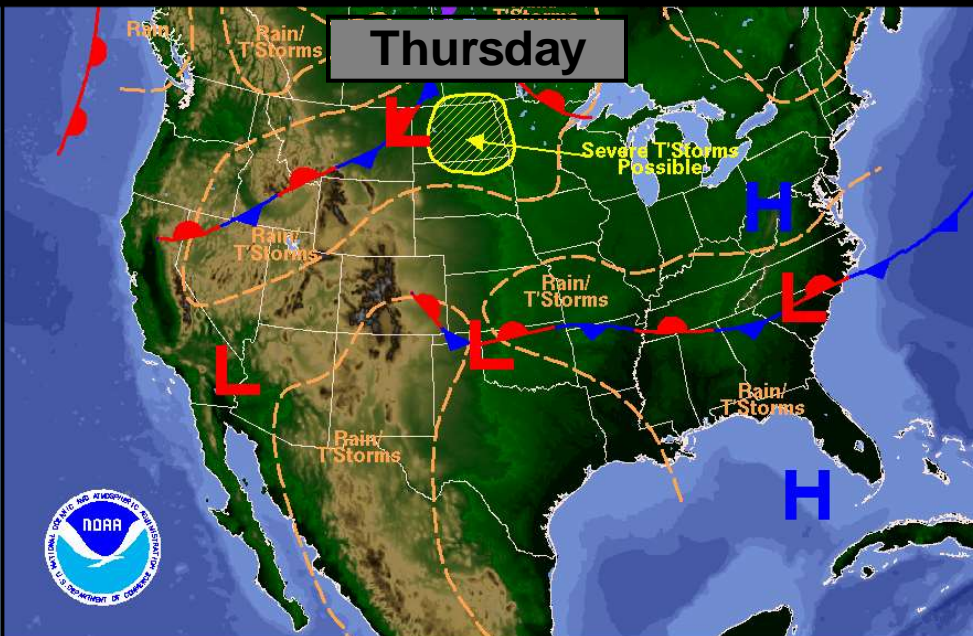


# Today's Precipitation

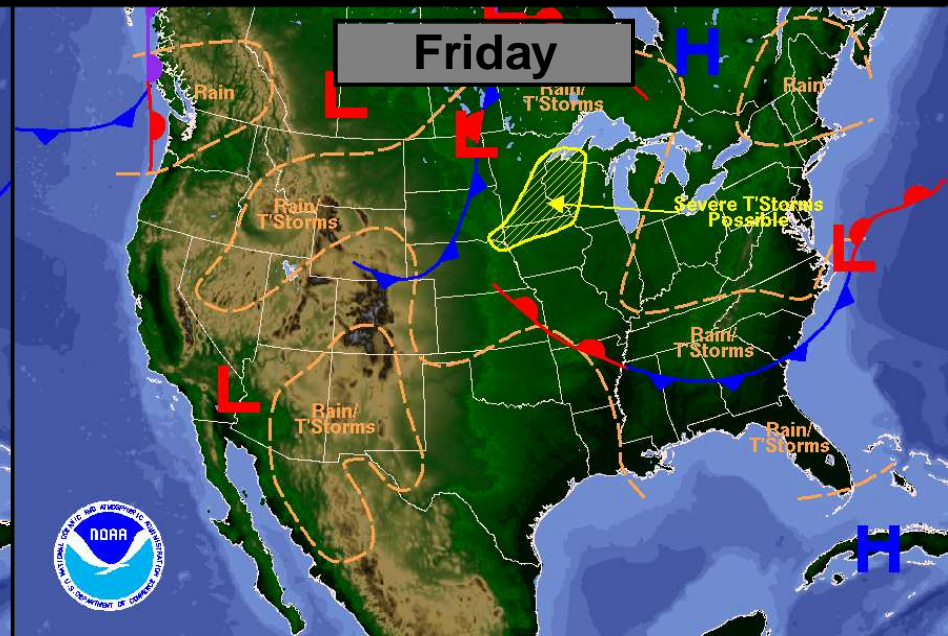
## Wed AM - Thu AM



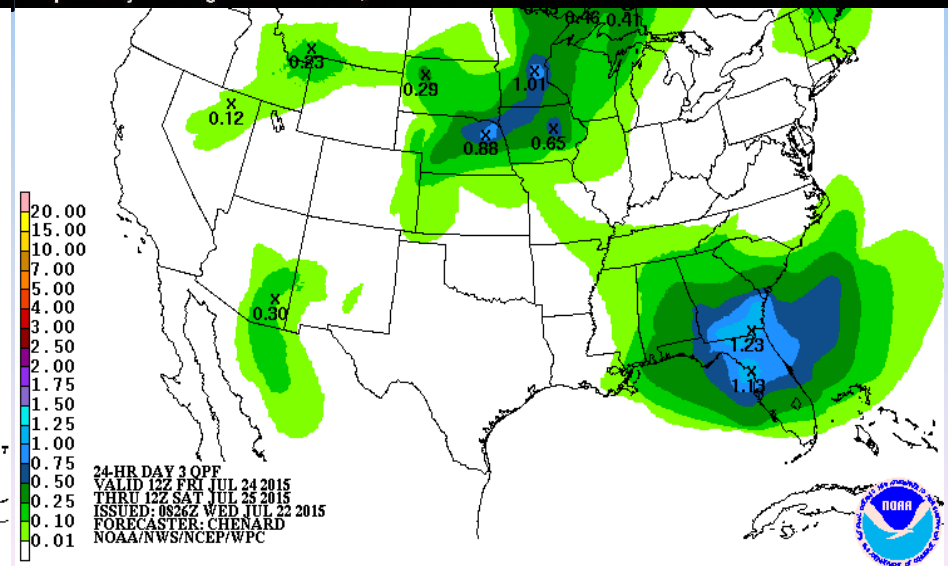
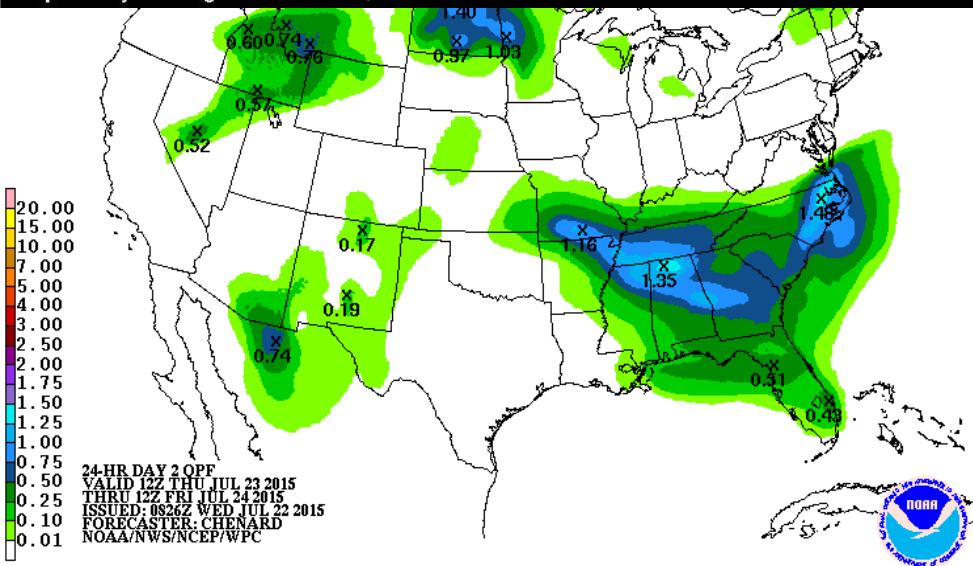
# Day 2-3 Weather Maps/Precipitation



Weather Forecast for Thu, Jul 23, 2015, issued 4:29 AM EDT Wed, Jul 22, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Weather Forecast for Fri, Jul 24, 2015, issued 4:32 AM EDT Wed, Jul 22, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Fanning based on WPC, SPC and NHC forecasts





# Day 2-3 Weather Hazards

*Valid: 0800 Thu - 0800 Sat*



**Afternoon Heat Index  
values of  
102F+ degrees across  
east half of Region.**



*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*



# Day 4-5 Weather Hazards

Valid: 0800 Sat - 0800 Mon



**Afternoon Heat Index  
values of  
102F+ degrees across  
east half of Region.**

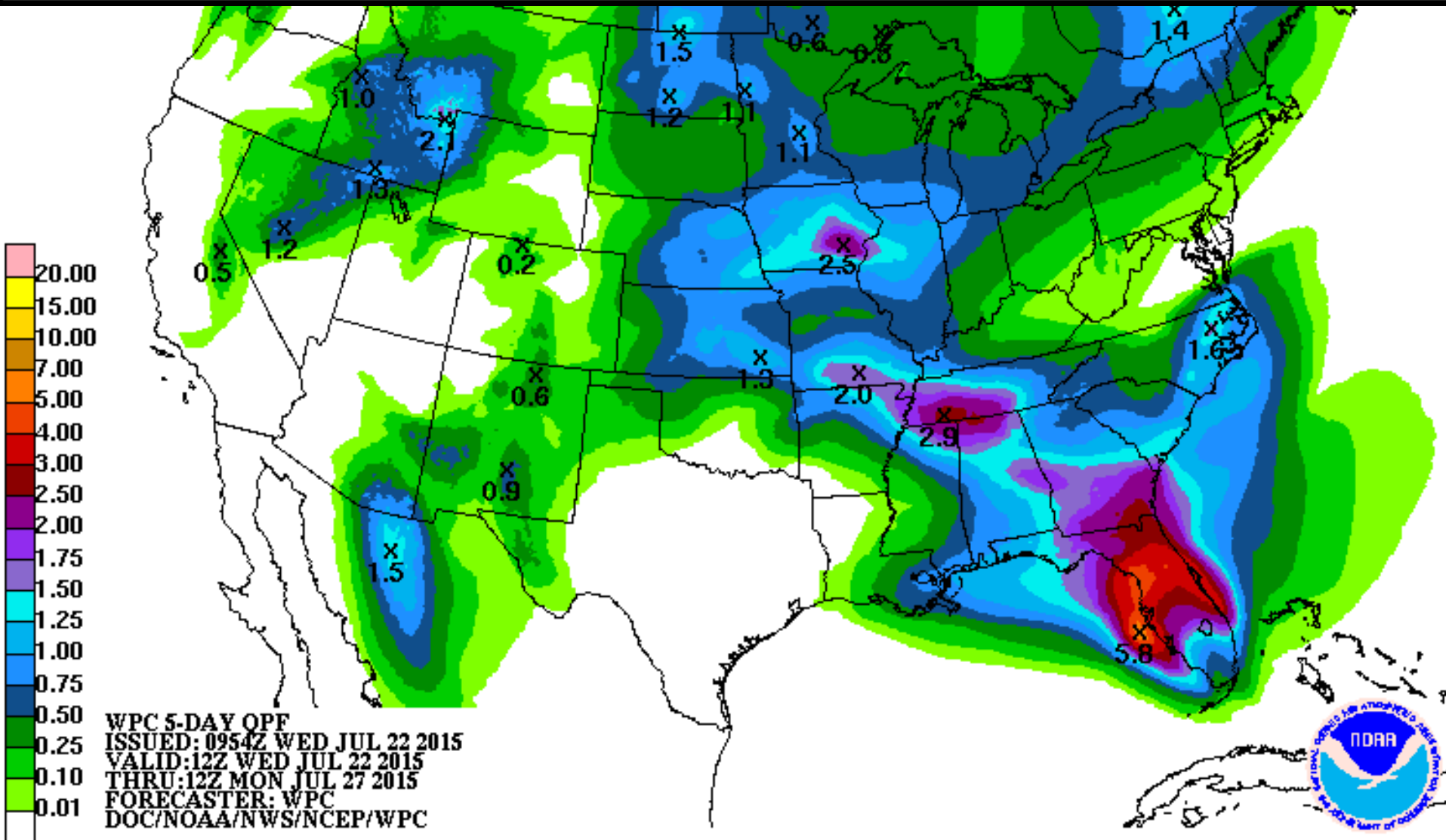


\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.



# 5-Day Precipitation

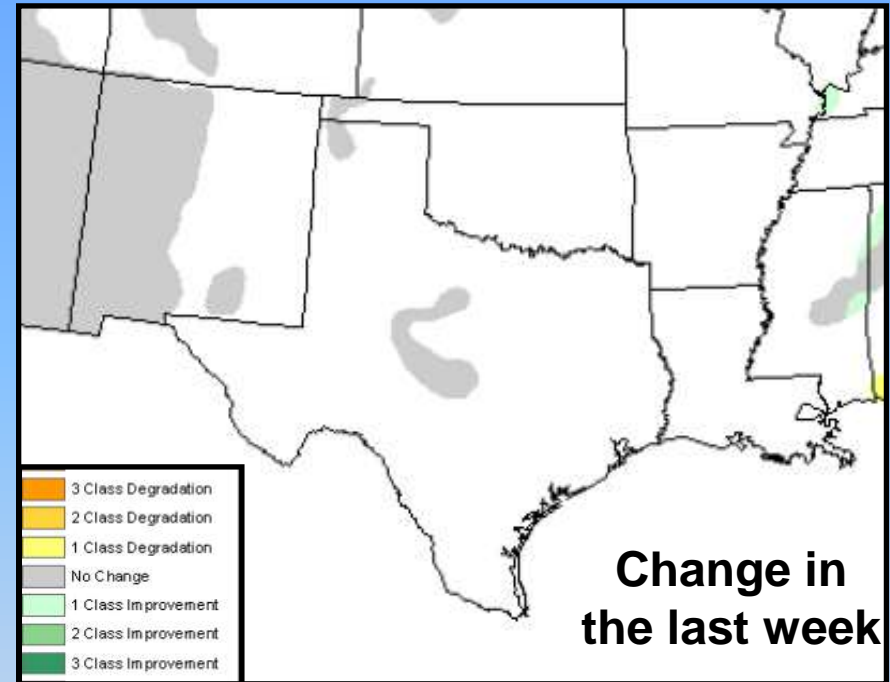
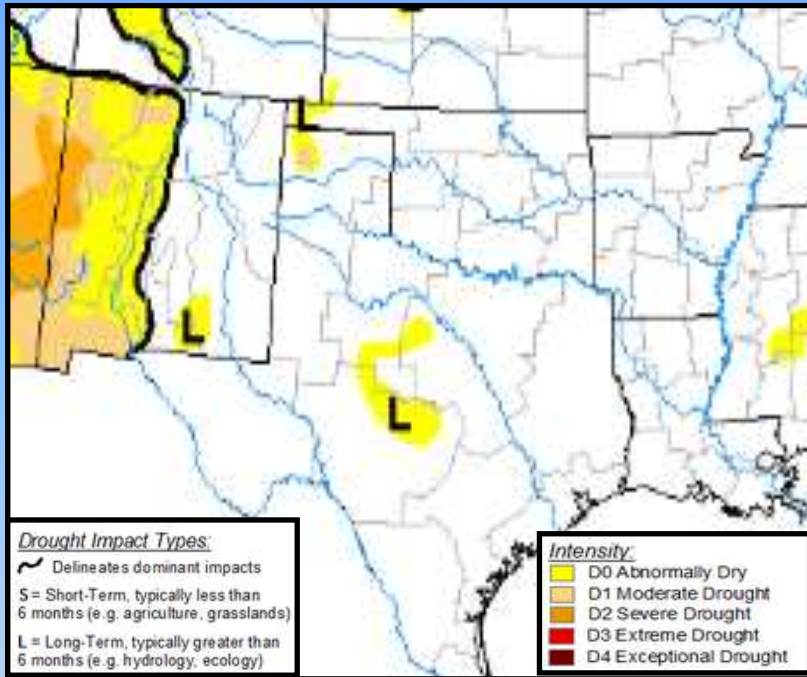
## Wed AM - Mon AM





# Drought Monitor Released July 16th, 2015

Data valid as of Tuesday July 14th, 2015



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	39.72%	29.37%
Texas	0.00%	0.00%	14.91%	18.36%
New Mexico	0.00%	0.00%	0.00%	40.46%
Arkansas	0.00%	0.00%	12.82%	13.18%
Louisiana	0.00%	0.00%	0.00%	0.00%



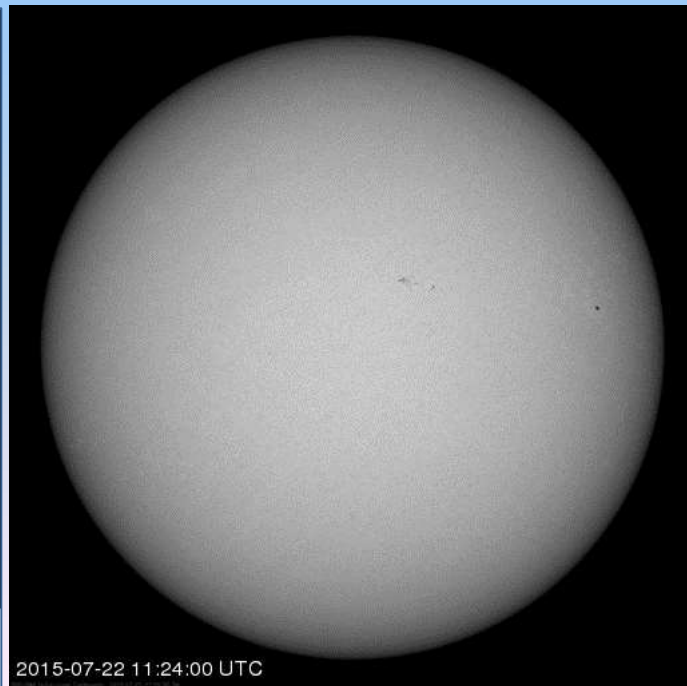
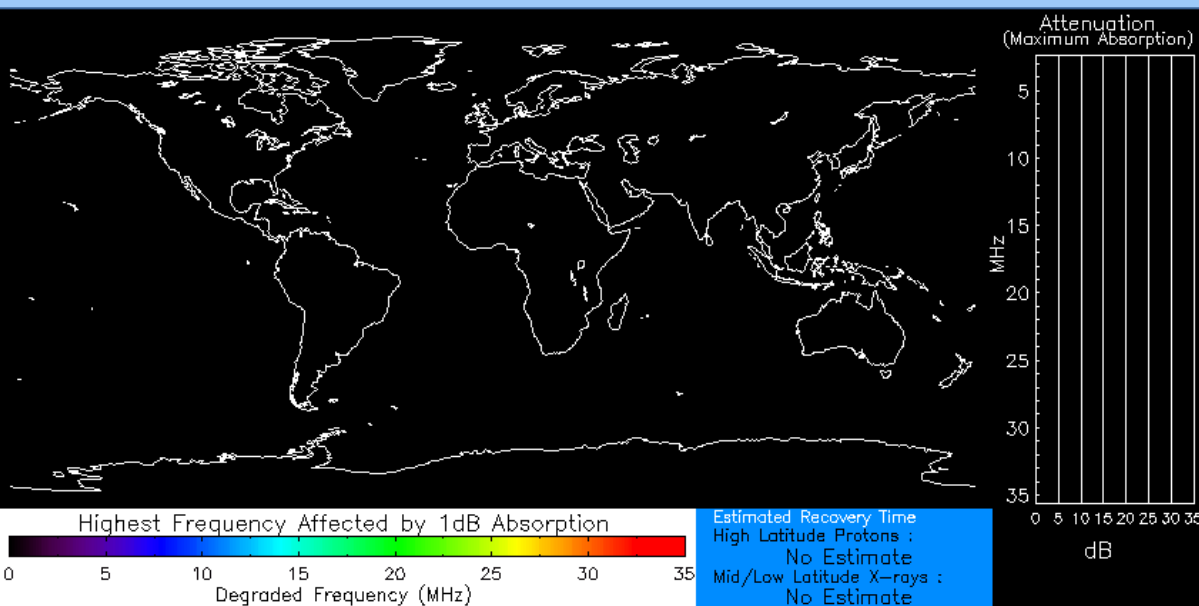
# Space Weather 3-Day Forecast



	Wednesday	Thursday	Friday
Geomagnetic Storms	Quiet (Max Kp = 2 )	Unsettled to Active (Max Kp = 4)	Unsettled to Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	5%	5%	5%
Radio Blackout (R3-R5)	1%	1%	1%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



Normal X-ray Background  
 Product Valid At : 2015-07-22 11:53 UTC

Normal Proton Background  
 NOAA/SWPC Boulder, CO USA

2015-07-22 11:24:00 UTC

Information provided by:



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**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

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